REFERENCES:

1) Aggarwal, V., Mishra B. (1999), "Design, development and biopharmaceutical pro-perties of buccoadhesive compacts of pentazocine", Drug Dev. Ind. Pharm., 25(6), 701-709.
2) Ahmed Mohammed G, BP Satish K, GB Kiran K. (2010), Formulation and evaluation of gastric- mucoadhesive drug delivery systems of captopril, JCPR ; 2(1): 26-32.
3) Ahuja, A., Dogra, M., Agarwal, S. P. (1995), "Development of buccal tablets of diltiazem hydrochloride", Ind. J. Pharm. Sci., 57(1), 26-30.
4) Amir H. Shojaei (1998), Buccal mucosa as a route for systemic druge delivery.j.pharma. science1(1):15-30
5) Arya Rajeshwar Kamal Kant, Singh Ripudam, Juyal Vijay,(2010), Mucoadhesive microspheres of famotidine: preparation characterization and *in vitro* evaluation, International Journal of Engineering Science and Technology, Vol. 2(6), , 1575-1580.
6) Bramankar DM, Jaiswal SB. (1995),.Biopharmaceutics and Pharmacokinetics A treatise., 337-371.
7) Bramhankar D.M. and Jaiswal S.B. (2002), "Biopharmaceutics andPharmacokinetics A Treatise", Vallabh Prakashan, Delhi, 1st edn, 335-337.
8) Cappello Brunella, Giuseppe De Rosa, Lucia Giannini, Maria Immacolata La Rotonda, (2006), Cyclodextrin-containing poly(ethyleneoxide) tablets for the delivery of poorly soluble drugs: Potential as buccal delivery system, International Journal of Pharmaceutics, 319, 63–70.
9) Chien Y. W.(1992), "Novel Drug Delivery system", Marcel Dekker, 2nd ed., 139-196.
10) Choi Han-Gon, Jung Jac-Hee (2000), Formulation and in vivo evaluation of omeprazole buccal adhesive tablet Journal of Controlled Release 68 405–412.
11) Choudhary Arpita, Tiwari Gulab, Pandey Manisha, Kymonil Koshy M., Saraf Shubhini A (2010), Formulation and characterization of carvedilol buccal mucoadhesive patches Int. J. Res. Pharm. Sci. Vol-1, Issue-4, 396-401.

12) Choudhary, K. P. R. and Shrinivas, L. (2000), "Mucoadhesive drug delivery system – A review of current status", Ind. J. Pharm. Sci., 37(9), 400-405.
13) Deshpande AA, Rhodes CT, Shah NH, Malick AW (1996). Controlled-release drug delivery systems for prolonged gastric residence: an overview. Drug Dev Ind Pharm, 22, 31–39.
14) Dhakar Ram Chand, Prajapati Sunil K. (2010), Rosiglitazone maleate microspheres for extending drug release: formulation and evaluation, IJPRD, VOl-2/ISSUE-10, 56-65.
15) Dneer, H. M., Drese, G.B., Roemele, P.E.H., Verhoef, J. C., et al, (2002) "Buccal transport of flecainide and sotalol effect of a bile salt and ionization state", Int. J. Pharm., 241, 127-134.
16) Durrani M.J, Andrews A., Whitaker R.and Benner S.C. (1994) Studies on drug release kinetics from carbomer matrices; Drug. Dev. Ind. Pharmacy; 20:15; 2439-2447.
17) Garg, S., Gupta, A., and Khar, R. K. (1992), "Measurement of bioadhesive strength of mucoadhesive buccal tablets: Design of an in-vitro assembly", Indian Drugs, 30(4), 152-155.
18) Hardenia Shiv Shankar, Jain Ankit, Patel Ritesh. (2008), Formulation and Evaluation of Mucoadhesive Microspheres of Ciprofloxacin, Journal of Advanced Pharmacy Education & Research, 1(4): 214-224.
19) Hoffman A, (1998) Pharmacodynamic aspects of sustained release preparations. Adv Drug Del Rev, 33, 185–99.
20) Hoffman A, Stepensky D.(1999), Pharmacodynamic aspects of modes of drug administration for optimization of drug therapy. Crit Rev Ther Drug Carrier Sys,16, 571–639.
21) Hwang SJ, Park H, Park K.(1998), Gastric retentive drug-delivery systems. Crit Rev Ther Drug Carrier Sys, 15, 243–84.
22) Jain N. K. (2002), Controlled and Novel Drug Delivery, CBS Publication and Distributors, 1st edition, New Delhi, 353-380,.
23) Jain NK. (1997), Controlled release and Novel Drug Delivery. 1st edition.CBS publishers and Distributors New Delhi., 353-370.

24) Jayvadan K. Patel, Rakesh P. Patel, Avani F Amin. (2005), Formulation and evaluation of mucoadhesive glipizide microspheres, AAPS PharmSciTech; 6 (1), E49-E55.

25) Leung S .S., Robinson J.R. (1990); Polymer structure features contributing to mucoadhesion. II; Journal of controlled release; 12, 178-194.

26) Lim S.T., Martin G.P, Berry D.J, Brown M.B. (2000), Preparation and evaluation of Invitro drug release properties and mucoadhesion of novel microspheres of hyaluronic acid and chitosan, J.Control. Rel. 66 281-292.

27) Liu Zhepeng, Lu v, Qian Lisheng. (2005), In vitro and in vivo studies on mucoadhesive microspheres of amoxicillin, Journal of Controlled Release 102, 135–144.

28) Martina Lee, Wilsona Clive G., Kooshab Fariba, Uchegbua Ijeoma F. (2003), Sustained buccal delivery of the hydrophobic drug denbufylline using physically cross-linked palmitoyl glycol chitosan hydrogels; European Journal of Pharmaceutics and Biopharmaceutics: 55 35–45.

29) Merkle, H.P., Anders, R. and Wermerskirchin, A. (1990), Bioadhesive Drug Delivery Systems, CRC Press, Boca Raton, Florida, 105,

30) Miller- Nazila Salamat (2005), The use of mucoadhesive polymers in buccal drug delivery, Advanced Drug Delivery Reviews, 57, 1666– 1691.

31) Miyazaki Yasunori, Ogihara Kanako, Yakou Shigeru, Nagai Tsuneji, Takayama Kozo, (2003), Inviro and invivo evaluation of mucoadhesive microspheres consisting of dextran derivatives and cellulose acetate butyrate, Int. J. Pharm. 258, 21-29.

32) Moes AJ .(1993) Gastroretentive dosage forms. Crit Rev Ther Drug Carrier Syst., 10, 143–95.

33) Myung-Kwan Chun, Chong-So Cho, Hoo-Kyun Choi, (2005),Mucoadhesive microspheres prepared by inter polymer complexation and solvent diffusion method, Int.J.Pharm. 288, 295-303.

34) Nakanishi T, Kaiho F and Hayashi M. (1998), Improvement of drug release rate from Carbopol 934P formulation; Chem. Pharm. Bull.; 46:1;,171- 173.

35) Pant Pankaj, Bansal Kailash, Rama Therdana Rao P.(2010), Formulation design and evaluation of gastroretentive mucoadhesive microspheres of clarithromycin, International Journal Of Research In Pharmacy And Chemistry, , 1(3), 347-351.

36) Patel K.R., Mukesh R. Patel, Mehta Tarak J., Patel Alpesh D., Patel Natvarlal M(2010) Formulation, Development And Evaluation Of Mucoadhesive Buccal Patch Of Carvedilol International Journal of Drug Formulation & Research Vol. 2(2) 351-371.

37) Prajapati RK, Mahajan HS, Surana SJ.(2010), PLGA Based Mucoadhesive Microspheres for Nasal Delivery: In Vitro / Ex Vivo Studies, Indian Journal of Novel Drug delivery 3(1), 9-16.

38) Pramod Kumar T.M, Shiva Kumar H.G.(2004),oral transmucosal druge delivery. Indian Drug 41(2): 63-75.

39) Prudat-Christianes C, Arnaud P, Allain P and Chaumeil J.C. (1996), Aminophylline bioadhesive tablets attempted by wet granulation; Int. Journal of pharmaceutics;; 141; 109-116.

40) Remun˜a´n-Lo´pez Carmen, Portero Ana, (1998) Design and evaluation of chitosan / ethylcellulose mucoadhesive bilayered devices for buccal drug delivery. Journal of Controlled Release 55, 143–152.

41) Sakagami Masahiro, Kinoshita Wataru, Sakon Kiyoyyki, Sato Jun-ichi, Makino Yuji, (2002) Mucoadhesive beclamethasone microspheres for powder inhalation: their pharmacokinetics and pharmacodynamics evaluation, J. Control. Rel. 80, 207-218.

42) Sambathkumar. R, Venkateswaramurthy. N, Vijayabaskaran. M. (*2010),* Formulation of clarithromycin loaded mucoadhesive microspheres by emulsificationinternal-gelation technique for anti*helicobacter pylori* therapy, *int j pharm pharm sci, vol 3, suppl 2, 173-177.*

43) Sandra Kockisch, Gareth D.rees, John Tsibouklis, Joh D.Smart, (2005) Mucoadhesive, triclosan-loaded polymer microspheres for application to the oral cavity: preparation and controlled release characteristics, Eur. J.Pharm and Biopharm. 59, 207-216.

44) Santus G., Lazzarini C., Bottoni G., Sandefer E.P, (1997) Page R.C, Doll W.J, Yun Ryo U, Digenis G.A., An in vitro-in vivo investigation of oral bioadhesive controlled release Furosemide formulations; Europian journal of pharmaceutics and Biopharmaceutics, 44,39-52.

45) Singh BN, Kim KH. (2000) Floating drug delivery systems: an approach to oral controlled drug delivery via gastric retention. J Cont Rel, 63, 235–59.

46) Singh M. (2002), Gastro-Retentivity:its drug delivery potential ; Indian journal of pharmaceutical sciences; May- June; 1-2.

47) Singh Mahendra, Vijay Vinay. (2009) Formulation and characterization of mucoadhesive microspheres using verapamil hydrochloride as model drug, International Journal Of Pharmaceutical Sciences and Research,; Vol. 2(12): 3260-3268.

48) Sruthy N V, Sajeeth C I and K Santhi. (*2010),* Design and evaluation of ph sensitive multiparticulate system for chronotherapeutic delivery of carvedilol, *IJCP, 5 (11), 1-6.*

49) Thimmasetty J, Pandey Gs And Sathesh Babu Pr (2008), Design And *In Vivo* Evaluation Of Carvedilol Buccal Mucoadhesive Patches Pak. J. Pharm. Sci., Vol.21, No.3, 241-248.

50) Timmermanns J, Moes A. (1990), How well do floating dosage forms float?. Int.J.Pharm., 62(3), 207 – 216.

51) Vaidya V. M., Manwar J. V.,. Mahajan N. M. (2009), Design and In- Vitro Evaluation of Mucoadhesive Buccal Tablets of Terbutaline Sulphate. International Journal of PharmTech Research Vol.1, No.3, 588-597.

52) Varshosaz J. (2002), Development and characterization of buccoadhesive nifedipine tablets, European Journal of Pharmaceutics and Biopharmaceutics, 54,135–141.

53) Vasir JK, Tambwekar K, Garg S. (2003), Mucoadhesive tablets as a controlled drug delivery system. International Journal of Pharmaceutics, 255, 13-32.

54) Yajaman Sudhakar, Ketousetuo Kuotsu, Bandyopadhyay A.K. (2006), Buccal bioadhesive drug delivery — A promising option for orally less efficient drugs, Journal of Controlled Release, 114, 15–40.

55) Yeole PG, Khan S, Patel VF (2005). Floating drug delivery systems: Need and development. Indian.J.Pharm.Sci., 67(3), 265 – 272.

56) Zhepeng Liu, Weiyue Lu, Lisheng qian, Xuhui Zhang, Pengyun Zeng, Jun Pan. (2005), "Invitro and Invivo studies on mucoadhesive microspheres of amoxicillin", J.Cont.rel., 102, 135-144.